



TAD – KT88-STR High Performance Audio Beam Power Tetrode

Latest version of our TAD KT88-STR is built in the style of the early British MOV KT88. Same big and heavy glass envelope and beautiful polished metal base. Wonderful tone and great appearance made this tube the most attractive choice for high-end audio applications and powerful bass guitar amps. A vivid and three-dimensional tone with pleasing full warmth and fine, subtle heights.

Very musical with large sound stage and finest details in mids and top-end. Linear, harmonious overall response with very natural voices make the TAD KT88-STR our favorite tube in the KT88 and 6550A class.

Characteristics

Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.8
Current		ca. 1.6	A
Cathode:	Oxide-coated, unipotential		
Cathode-to-heater potential, max.			+250 V
Direct interelectrode capacitances, max.***			
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater			<17 pF
Plate to cathode and grid no.3, grid no.2, base sleeve and heater			<12 pF
Grid no.1 to plate			<1.3 pF

Mechanical

Operating Position	vertical
Base	
Dimensions:	
Height	114 mm (4.488")
Seated height	103 mm (4.055")
Diameter	52 mm (2.047")
Cooling	Convection
Approximate net weight	90 g (3.17 oz.)

***Without external shielding, nominal values

AF Power Amplifier

Maximum ratings

DC plate voltage	800 V
Grid no.2 DC (screen) voltage	600 V
Grid no.1 (control) voltage	- 300 V
DC cathode current	230 mA
Plate dissipation	42 W
Grid no.2 DC (screen) dissipation	8 W
Plate + Grid 2 dissipation	46 W
Bulb temperature (surface hottest point)	250° C

Typical Operation

AF Power Amplifier, Class A1 (single tube)

Plate Voltage	400 V
Grid 2 Screen Voltage	225 V
Grid 1 Control Voltage*	-16.5 V
Peak AF Grid 1 Control Voltage	16.5 V
Zero Signal Plate Current	87 mA
Maximum Signal Plate Current	105 mA
Zero Signal Grid 2 Screen Current (avg)	4 mA
Transconductance (nominal)	9,000 mS
Load Resistance	6000 Ohms
Output Power at 5% distortion	19 W

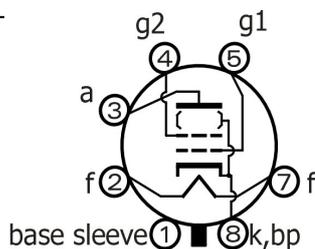
* Approximate Value (set to zero signal plate current)

Outline View



Bottom View

Octal Base Connections



Typical Performance KT88 Curve

